

Title (en)

ENCODER APPARATUS, DECODER APPARATUS, METHODS THEREOF AND ASSOCIATED AUDIO SYSTEM

Title (de)

CODIERER, DECODIERER, DEREN VERFAHREN UND DAZUGEHÖRIGES AUDIOSYSTEM

Title (fr)

APPAREIL DE CODAGE, APPAREIL DE DECODAGE, PROCÉDÉS CORRESPONDANTS ET SYSTEME AUDIO ASSOCIÉ

Publication

EP 1735779 B1 20130619 (EN)

Application

EP 05718592 A 20050330

Priority

- IB 2005051065 W 20050330
- EP 04101405 A 20040405
- EP 04103367 A 20040714
- EP 05718592 A 20050330

Abstract (en)

[origin: WO2005098826A1] Method for processing a stereo signal comprising: Encoding à N- channel audio signal in a stereo signal (Lo, Ro) and spatial parameters (wl, wr), processing the stereo signal using the spatial parameters for generating a processed stereo signal (low, Row). The matrix of the processed stereo signal can be discribed as the matrix of the stereo signal, multiplied by a filter matrix (H) which element are filter functions (H1, H2, H3, H4) operated with spatial parameters (wl, wr) and a constant (a). The filter functions are time invariant and selected so that the matrix is invertible.

IPC 8 full level

G10L 19/02 (2013.01); **G10L 19/008** (2013.01); **H04R 5/04** (2006.01); **H04S 1/00** (2006.01); **H04S 3/00** (2006.01)

CPC (source: EP KR US)

G10L 19/008 (2013.01 - EP KR US); **G10L 19/02** (2013.01 - KR); **H04R 1/00** (2013.01 - KR); **H04S 3/008** (2013.01 - EP US); **H04S 5/00** (2013.01 - KR); **H04S 3/02** (2013.01 - US); **H04S 2420/03** (2013.01 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2005098826 A1 20051020; BR PI0509110 A 20070828; BR PI0509110 A8 20160210; BR PI0509110 B1 20190709; CN 1947172 A 20070411; CN 1947172 B 20110803; EP 1735779 A1 20061227; EP 1735779 B1 20130619; ES 2426917 T3 20131025; JP 2007531916 A 20071108; JP 5284638 B2 20130911; KR 101183862 B1 20120920; KR 20070001205 A 20070103; MX PA06011397 A 20061220; PL 1735779 T3 20140131; RU 2006139068 A 20080520; RU 2396608 C2 20100810; TW 200611588 A 20060401; TW I455614 B 20141001; US 2007183601 A1 20070809; US 9992599 B2 20180605

DOCDB simple family (application)

IB 2005051065 W 20050330; BR PI0509110 A 20050330; CN 200580012133 A 20050330; EP 05718592 A 20050330; ES 05718592 T 20050330; JP 2007506884 A 20050330; KR 20067020272 A 20050330; MX PA06011397 A 20050330; PL 05718592 T 20050330; RU 2006139068 A 20050330; TW 94110514 A 20050401; US 59956005 A 20050330